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AL-WS-R

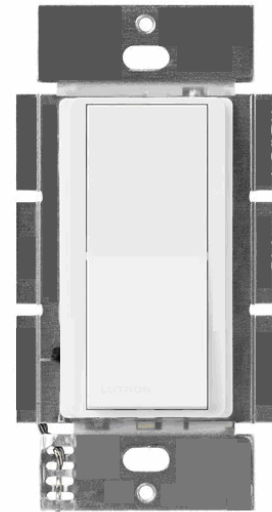
Decorator style on/off switch

Low Voltage 12v / 24v / 48v / Millivolt

Convertible to AL-WS-M

use only with resistive loads

White, Black other color options



[Product Description - AL-WS-R Wall Switch](#)

This switch operates just like any standard residential light switch – however it operates with low voltage DC. This Decorator style switch in a standard residential style outline fits into any home, looks like any switch yet meets NEC article 411 Class 2 for Low Voltage operation.

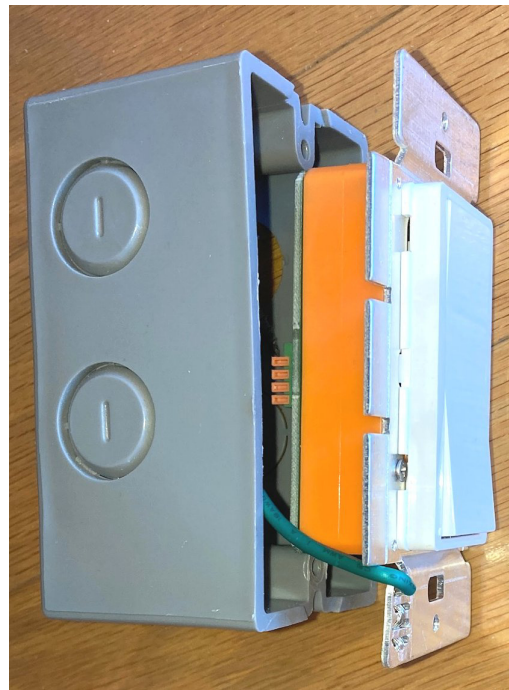
Designed for Low Voltage and millivolt applications – the contacts are protected and designed for long life at very low loads. Useful for RV lighting and other projects. See the AL-WS-R3 for 3-way applications. See the AL-WS-M for momentary applications.

The proven switch mechanics leverage mass production of decorator switches for Low voltage applications.

For applications where the current is very low, and contact oxidation is likely, use the AL-WS-R3. This will apply a non damaging current to the contact to remove oxidation for years of service.

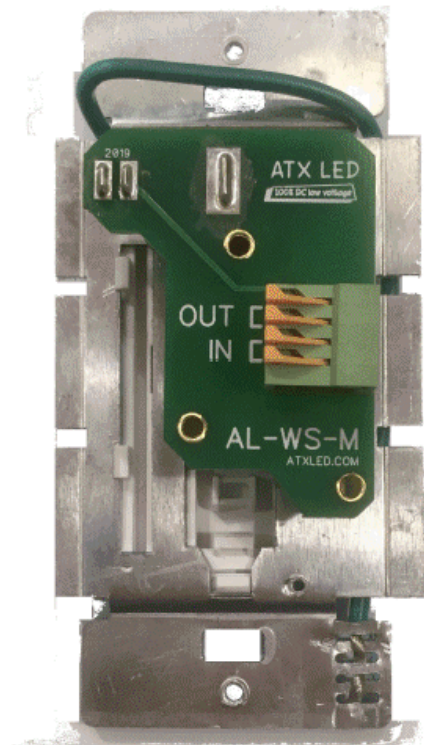
For applications with high inrush currents (Capacitive or Inductive loads) use the AL-WS-R3.

Easy to Wire



Specifications

Signal Contact	Spring loaded connectors for AWG 18-24 wire
Input voltage range	0 to 52 volts
Contact current	Very low resistance, yet can handle 5 amps
Size	108H (metal) 70H x 34 D x 42 W mm
Wire size	16 to 24 AWG
Ground Wire	Not needed for low voltage use



Application	Example	Use:
Simple On/Off	Fireplace	AL-WS-R3
Oxidizing Environment	Fireplace near ocean	AL-WS-R3
Resistive load	24 v LED strips	✓
Capacitive Load	12 V AC/DC bulb	AL-WS-R3
Momentary Pulse	Starter	AL-WS-M
Does it spark when you turn it on or off?	Most electronic devices	AL-WS-R3
Inductive Loads	Contactors Coils	AL-WS-R3
3-Way	2 switches, one load	AL-WS-R3

Conversion from AL-WS-R to AL-WS-M
Changing colors

The white plastic front part can be removed with a flat blade (like a kitchen knife) at the corner with the screw. Insert the blade, twist until the plastic pops off, then replace the part with the AL-M for momentary

or with AL-R for different colors.